

## Backend Developer – Geospatial Data Platforms (m/f/d)

**Marble Imaging:** We are a German NewSpace company, combining engineering, aeronautics & Earth Observation to address global challenges from community resilience, climate adaptation and disaster management. Marble Imaging is developing its own constellation of Very High Resolution (VHR) multispectral satellites designed to provide frequent global coverage and enable advanced Earth Observation analytics. The first Marble satellite is scheduled for launch in Q4 this year

We are a fast-growing and diverse team, comprised of highly motivated professionals from various backgrounds. We share a common vision to make EO data and analytics more accessible and understandable so they can be incorporated into rapid-decision-making.

**The Team:** You will be part of the Marble Data and Products (MDP) team. The team is composed of data scientists, engineers and developers working on the development of the Marble data processing software, EO-based analytics and geospatial portal development.

**Location:** Our headquarters is in Bremen and we have an office in Frankfurt. Candidates should be located in the Frankfurt or Bremen region and be willing to work from one of our offices at least three days per week.

**Your role:** As a Backend Developer, you will contribute to the development of Marble's geospatial data platform that enables users to access, search, and analyse large volumes of satellite imagery and Earth Observation analytics. You will design and implement backend services that support the ingestion, cataloguing, and delivery of geospatial datasets and derived analytics products. Your work will focus on building reliable APIs, efficient data services, and backend infrastructure capable of handling large Earth Observation datasets and supporting advanced geospatial applications.

### Your main tasks:

- Design and implement backend services for accessing and managing large Earth Observation datasets
- Develop APIs and services that enable search, retrieval, and processing of geospatial data products
- Contribute to the development and operation of a cloud-deployed geospatial data portal providing access to satellite imagery and analytics products
- Integrate and support analytics engines and geospatial processing services that power data analysis and insights within the platform
- Implement and maintain geospatial data catalog services (e.g. STAC), efficient access to large raster datasets such as Cloud Optimized GeoTIFFs (COGs), and to vector datasets
- Deploy and maintain backend services using containerized cloud infrastructure (e.g. Docker/Kubernetes)
- Collaborate with frontend developers and data scientists to enable seamless access to EO data and analytics capabilities
- Ensure performance, reliability, and maintainability of backend services and cloud-based infrastructure

### Your profile:

- Degree in Computer Science, Software Engineering, or a related field
- Strong programming skills in backend development (e.g. Python, Go, Rust, or similar languages)
- Experience designing and implementing REST APIs and backend services
- Practical knowledge of asynchronous/background processing (e.g., Celery) and message brokers (Redis and/or RabbitMQ).

- Experience working with databases and data storage systems (e.g. PostgreSQL, object storage)
- Familiarity with cloud infrastructure and containerized applications is a plus
- Familiarity with workflow orchestration tools (e.g., Temporal / CWL runners / Argo Workflows) is a strong plus.
- Experience working with geospatial data formats or Earth Observation datasets is an advantage
- Ability to work in an interdisciplinary environment with geospatial scientists, AI engineers, and frontend developers

### **What we offer you here at Marble Imaging**

1. You will be part of a NewSpace company that is revolutionizing the world of EO with its own fleet of European satellites.
2. You will have a chance to work in a fast-growing, multi-disciplinary, and diverse team with a strong desire to change the world.
3. Participation in our VSOP (Virtual Share Option Plan).

At Marble Imaging, we are committed to fostering an inclusive and welcoming workplace. We believe that diverse voices bring diverse perspectives that fuel innovation, creativity, and the ability to tackle global challenges effectively. We encourage individuals of all races, ethnicities, genders, sexual orientations, abilities, and backgrounds to join us in our mission to change the EO world. We are an equal-opportunity employer.

Join us on our mission to explore and reimagine the possibilities of VHR EO based analytics and help us tackle global challenges. If space is the final frontier, you will be getting one step closer to reaching it with Marble Imaging. Contact us for questions and information at [contact@marble-imaging.de](mailto:contact@marble-imaging.de)

Contact for this position:

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Marble Imaging GmbH

Court of Registration: Amtsgericht Bremen, HRB 41893